·	Application No.	Applicant(s)
Notice of Allowability	10/537,054	SHIBATA ET AL.
	Examiner	Art Unit
	Karen Masih	2837
	Nateri Masiri	2031
The MAILING DATE of this communication appearance All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this app or other appropriate communication IGHTS. This application is subject to	plication. If not included will be mailed in due course. THIS
1. This communication is responsive to		
2. The allowed claim(s) is/are <u>1-3</u> .		
3. Acknowledgment is made of a claim for foreign priority ura) All b) Some* c) None of the:		
1. Certified copies of the priority documents have been received.		
Certified copies of the priority documents have been received in Application No		
3. Copies of the certified copies of the priority documents have been received in this national stage application from the		
International Bureau (PCT Rule 17.2(a)).		
* Certified copies not received:		
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give		
5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.		
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached		
1) hereto or 2) to Paper No./Mail Date		
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date		
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).		
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.		
Attachment(s) 1. ☑ Notice of References Cited (PTO-892) •	5. Notice of Informal P	atent Application
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ☐ Interview Summary	
3. Information Disclosure Statements (PTO/SB/08),	Paper No./Mail Dat 7. ⊠ Examiner's Amendr	te .
Paper No./Mail Date 6/2/05	_	
4. Examiner's Comment Regarding Requirement for Deposit of Biological Material		ent of Reasons for Allowance
	9.	Karen Masih
		Primary Examiner
		,

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1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows: Abstract should be one paragraph. Page 19 delete last paragraph. Insert after period in line 4 – The invention includes inertia controls means(29) for calculating and outputting an inertia control signal Tmjc from an electric motor acceleration torque signal Tmafb obtained by multiplying a signal acquired by differentiating an electric motor mean speed signal Nmavg by an inertia time constant motor of the electric motor portion, electric motor acceleration torque control means (28) for calculating a torque command compensation signal Trfl from a deviation signal of a signal Trfax obtained by decreasing Tmjc from a torque command signal Trfa and the electric motor acceleration torque signal Tmafb, and electric motor torque control means for controlling a current of the electric motor in order to obtain an electric motor torque in accordance with a torque command Trfm to be a sum of Trfa and Trfl. –

In specification, one should not refer to claim number specifically, hence page 4 line 14 delete "according "

page 4 line 15 delete " to claim 1 "

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In drawings, see attached drawings marked in red ink. Prior art label is needed for figs 4-6 and boxes need to be labeled descriptively.

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2. The following is an examiner's statement of reasons for allowance: Prior art does not disclose signal obtained by multiplying a signal acquired by differentiating motor means speed signal Nmavg by an inertia time constant m of the motor portion is input as an elective motor acceleration torque signal Tmafb to an inertia controller with respect to torque command signal Trfa output form speed controller and inertia controller multiplies motor acceleration torque Tmafb by proportional gain and then outputs a value thus obtained as inertia control signal Tmjc through a second order or first order lpf and second order or first order hpf, feeds back motor acceleration torque signal Tmafb to motor acceleration torque command Trfax obtained by decreasing inertia control signal Tmjc from torque command signal Trfa output from speed controller and controls current of motor in order to have motor torque in accordance with a signal Trfm obtained by adding to acceleration torque command Trfax, a torque compensation signal Trfl acquired by amplifying a signal of a deviation thereof by means of motor acceleration torque controller constituted by proportional gain and integrator, carrying out a control in order to cancel motor load torque in r3esponse to torque compensation signal Trfl calculated and outputting such a manner that the torque command signal Trfa output form speed controller and motor acceleration torque

feedback signal Tmafb are coincident with each other and equivalently enlarging and controlling inertia of motor portion, with respect to rest of claim.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Karen Masih whose telephone number is 571-272-2068. The examiner can normally be reached on m-f 8.30-6.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lincoln Donovan can be reached on 571-272-2837. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Karen Masih

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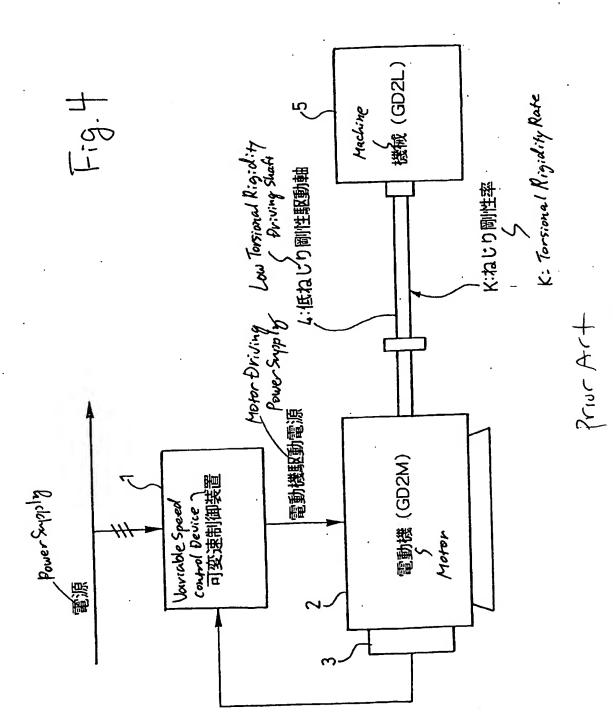
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Primary Examiner
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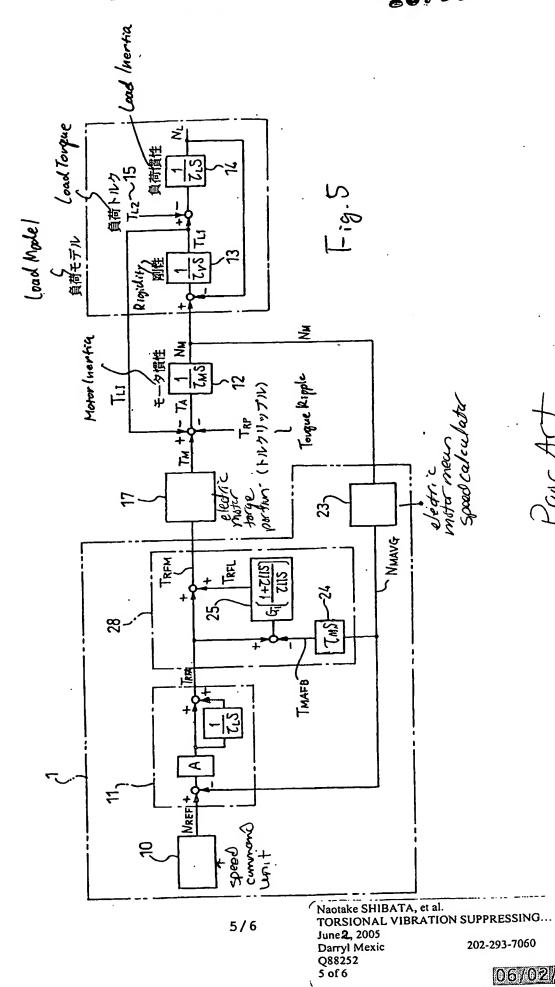


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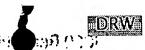
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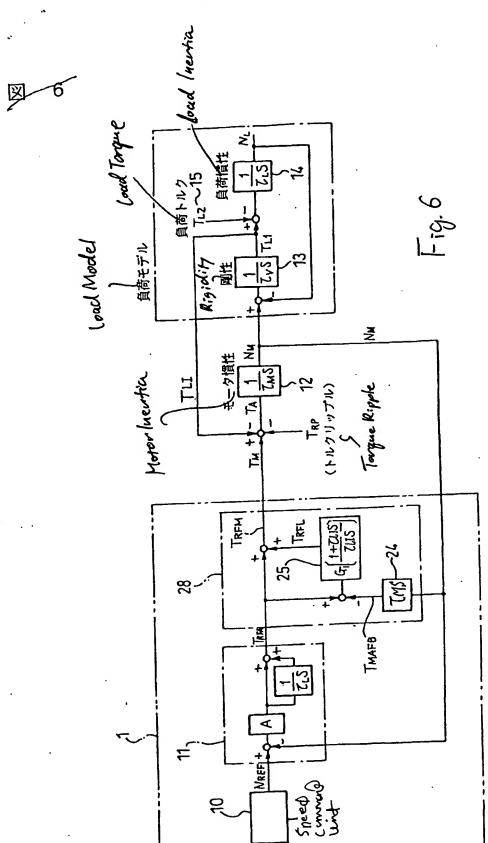




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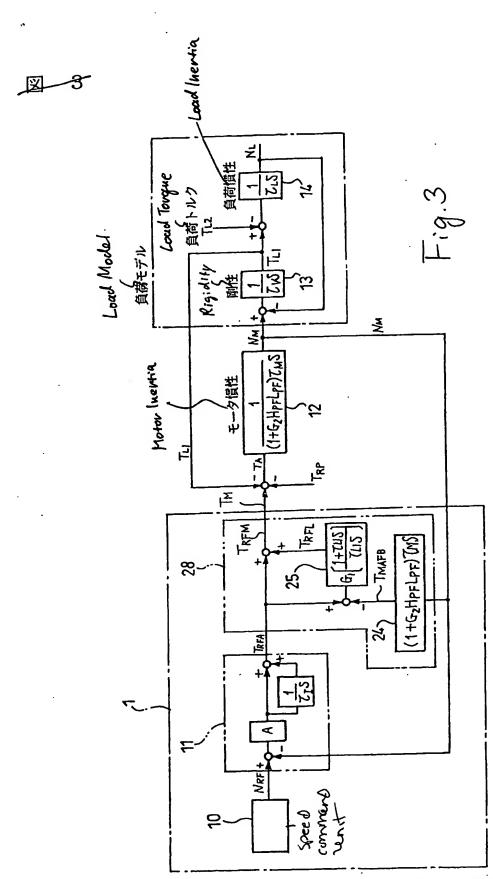


Prior Art

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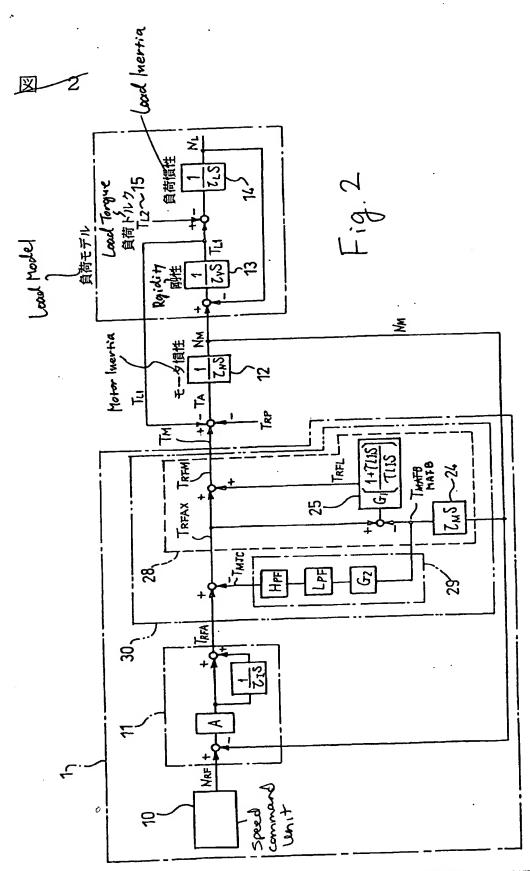


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